

Form PTO-1449 (modified)

Atty. Docket No.  
MBHB02-329-ASerial No.  
10/082,804

List of Patents and Publications for Applicant's

Applicant  
McConlogue et al.

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:  
February 22, 2002Group:  
1645U.S. Patent Documents  
See Page 1Foreign Patent Documents  
See Page 1 & 2Other Art  
See Page 2, 3 & 4

## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
dc	A1	4,666,829	05/19/1987	Glenner et al.			
	A2	5,612,486	03/18/1997	McConlogue, et al.			
	A3	5,811,231	09/22/1998	Farr et al.			
	A4	6,040,138	03/21/2000	Lockhart et al.			
	A5	6,114,133	09/05/2000	Seubert et al.			
dc	A6	6,204,061	03/20/2001	Capecchi et al.			

## U.S. Patent Applications

Exam. Init.	Ref. Des.	Application Number	Filing Date	Name			
dc	A7	60/271,092	02/23/2001				
dc	A8	60/271,514	02/26/2001				
dc	A9	60/293,762	05/25/2001				

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
dc	B1	WO 97/07669	03/06/1997	PCT International			
	B2	WO 98/30683	07/16/1998	PCT International			
	B3	WO 98/37183	08/27/1998	PCT International			
	B4	WO 98/39416	09/11/1998	PCT International			
dc	B5	WO 99/37143	07/29/1999	PCT International			

EXAMINER:

*Deborah Cronch*

DATE CONSIDERED:

*6-24-04*

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-1449 (modified)	Atty. Docket No. MBHB02-329-A	Serial No. 10/082,804
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Applicant McConlogue et al.	
	Filing Date: February 22, 2002	Group: 1645
U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 1 & 2	Other Art See Page 2, 3 & 4



RECEIVED  
 AUG 21 2002  
 TECH CENTER 160012800

### Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
de	B6	WO 00/17369	03/30/2000	PCT International			
de	B7	WO 00/72880	12/07/2000	PCT International			

### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
de	C1	<del>International Search Report from PCT/US02/05639.</del>
	C2	Acquati et al., "The gene encoding DRAP (BACE2), a glycosylated transmembrane protein of the aspartic protease family, maps to the Down critical region," <u>FEBS Letters</u> 468(1):59-64 (2000).
	C3	Altschul et al., "Basic Local Alignment Search Tool," <u>J. Mol. Biol.</u> 215:403-410 (1990).
	C4	Borchelt et al., "Accelerated Amyloid Deposition in the Brains of Transgenic Mice Coexpressing Mutant Presenilin 1 and Amyloid Precursor Proteins," <u>Neuron</u> 19:939-945 (1997).
	C5	Bradley et al., "Formation of germ-line chimaeras from embryo-derived teratocarcinoma cell lines," <u>Nature</u> 309:255-256 (1984).
	C6	De Strooper et al., "Deficiency of presenilin-1 inhibits the normal cleavage of amyloid precursor protein," <u>Nature</u> 391:387-390 (1998).
	C7	Farzan et al., "BACE2, a $\beta$ -secretase homolog, cleaves at the $\beta$ site and within the amyloid- $\beta$ region of the amyloid- $\beta$ precursor protein," <u>Proc. Nat'l. Acad. Sci.</u> 97(17):9712-9717 (2000).
	C8	Glenner & Wong, "Alzheimer's Disease and Down's Syndrome: Sharing of a Unique Cerebrovascular Amyloid Fibril Protein," <u>Biochemical and Biophysical Research Communications</u> 120:1131 (1984).
de	C9	Hardy et al., "Amyloid, the presenilins and Alzheimer's disease," <u>TINS</u> 20:154-159 (1997).

EXAMINER: Deborah Crence DATE CONSIDERED: 6-24-04

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-1449 (modified)

Atty. Docket No.  
MBHB02-329-ASerial No.  
10/082,804

List of Patents and Publications for Applicant's

Applicant  
McConlogue et al.

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:  
February 22, 2002Group:  
1645U.S. Patent Documents  
See Page 1Foreign Patent Documents  
See Page 1 & 2Other Art  
See Page 2, 3 & 4

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
dc	C10	Henikoff & Henikoff, "Amino acid substitution matrices from protein blocks," <u>Proc. Nat'l. Acad. Sci. USA</u> 89:10915-10919 (1992).
	C11	Hsiao et al., "Correlative Memory Deficits, A $\beta$ Elevation, and Amyloid Plaques in Transgenic Mice," <u>Science</u> 274:99-102 (1996).
	C12	Huber et al., "cDNA Cloning and Molecular Characterization of Human Brain Metalloprotease MP100: A $\beta$ -Secretase Candidate?" <u>Journal of Neurochemistry</u> 72:1215-1223 (1999).
	C13	Jaenisch et al., "Transgenic animals," <u>Science</u> 240:1468-1474 (1988).
	C14	Johnson-Wood et al., "Amyloid precursor protein processing and A $\beta$ <sub>42</sub> deposition in a transgenic mouse model of Alzheimer disease," <u>Proc. Nat'l. Acad. Sci. USA</u> 94:1550-1555 (1997).
	C15	Kang et al., "The Precursor of Alzheimer's Disease Amyloid A4 Protein Resembles a Cell-Surface Receptor," <u>Nature</u> 325:733-736 (1987).
	C16	Karlin & Altschul, "Applications and statistics for multiple high-scoring segments in molecular sequences," <u>Proc. Nat'l. Acad. Sci. USA</u> 90:5873-5787 (1993).
	C17	Kitaguchi et al., "Novel precursor of Alzheimer's disease amyloid protein shows protease inhibitory activity," <u>Nature</u> 331:530 (1988).
	C18	Lai et al., "Production of $\alpha$ -1, 3-Galactosyltransferase Knockout Pigs by Nuclear Transfer Cloning," <u>Science</u> 295:1089-1092 (2002).
	C19	Needleman & Wunsch., "A General Method Applicable to the Search for Similarities in the Amino Acid Sequence of Two Proteins," <u>J. Mol. Biol.</u> 48:443 (1970).
	C20	Pearson & Lipman, "Improved tools for biological sequence comparison," <u>Proc. Nat'l. Acad. Sci. USA</u> 85:2444-2448 (1988).
	C21	Ponte et al., "A New A4 Amyloid mRNA contains a domain homologous to serine proteinase inhibitors," <u>Nature</u> 331:525-527 (1988).
dc	C22	Roberds et al., "BACE knockout mice are healthy despite lacking the primary $\beta$ -secretase activity in brain: implications for Alzheimer's disease therapeutics," <u>Human Molecular Genetics</u> 10:1317-1324 (2001).

EXAMINER:

*Deborah Cronch*

DATE CONSIDERED:

6-24-04

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)



RECEIVED  
AUG 1 2002  
FCH OFFICE 1000/2900

Form PTO-1449 (modified)	Atty. Docket No. MBHB02-329-A	Serial No. 10/082,804
List of Patents and Publications for Applicant's  INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	Applicant McConlogue et al.	
	Filing Date: February 22, 2002	Group: 1645
U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 1 & 2	Other Art See Page 2, 3



RECEIVED  
 AUG 21 2002  
 TECH CENTER 1600/2900

### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
dc	C23	Roger et al., "Behavioral and functional analysis of mouse phenotype: SHIRPA, a proposed protocol for comprehensive phenotype assessment," <u>Mamm. Genome</u> 8:711-713 (1997).
	C24	Selkoe et al., "Normal and Abnormal Biology of the $\beta$ -Amyloid Precursor Protein," <u>Annual Rev. Neurosci</u> 17:489-517 (1994).
	C25	Sinha et al., "Cellular mechanisms of $\beta$ -amyloid production and secretion," <u>Proc. Natl. Acad. Sci. USA</u> 96:11049-11053 (1999).
	C26	Sinha et al., "Purification and cloning of amyloid precursor protein $\beta$ -secretase from human brain," <u>Nature</u> 402:537-540 (1999).
	C27	Smith & Waterman, "Comparison of Biosequences," <u>Adv. Appl. Math.</u> 2:482 (1981).
	C28	Sturchler-Pierrat et al., "Two amyloid precursor protein transgenic mouse models with Alzheimer disease-like pathology," <u>Proc. Nat'l. Acad. Sci. USA</u> 94:13287-13292 (1997).
	C29	Vassar et al., " $\beta$ -Secretase Cleavage of Alzheimer's Amyloid Precursor Protein by the Transmembrane Aspartic Protease BACE," <u>Science</u> 286:735-741 (1999).
	C30	Wattler et al., "Construction of Gene Targeting Vectors from $\lambda$ KOS Genomic Libraries," <u>Biotechniques</u> 26:1150-1160 (1999).
dc	C31	Yan et al., "Membrane-anchored aspartyl protease with Alzheimer's disease $\beta$ -secretase activity," <u>Nature</u> 402:533-537 (1999).

EXAMINER: Deborah Crench DATE CONSIDERED: 6-24-04

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)